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WATER SUPPLY OUTLOOK FOR NEVADA

Prepared by

U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

**NEVADA DEPARTMENT of CONSERVATION and NATURAL RESOURCES
DIVISION of WATER RESOURCES**

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed on the last page of this report.

AS OF
FEB. 1, 1973

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 511 N. W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 970, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84111
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



WATER SUPPLY OUTLOOK FOR NEVADA

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

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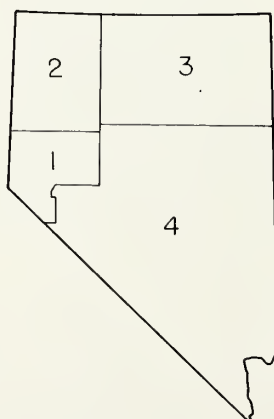
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LIST OF COOPERATORS.....Inside Back Cover

ALL AVERAGES ARE FOR 1953-67 PERIOD



AREA LOCATIONS

WATER SUPPLY OUTLOOK FOR NEVADA

AS OF FEBRUARY 1, 1973, THE PROSPECT OF AN ALMOST PERFECT 1973 WATER SUPPLY SEASON EXISTS. THE MOUNTAIN SNOWPACK INCREASED GREATLY DURING THE PAST MONTH AND NOW RANGES FROM 112 PERCENT TO 150 PERCENT OF AVERAGE ON ALL MAJOR WATERSHEDS AFFECTING NEVADA. RESERVOIRS CONTINUED TO ACCUMULATE STORAGE AND RAISED A FEW PERCENTAGE POINTS TO 143 PERCENT OF NORMAL. IF THE NEXT TWO MONTHS PRODUCE NEAR AVERAGE PRECIPITATION, WATER USERS IN WESTERN AND NORTHERN NEVADA WILL HAVE AN EXCELLENT AND VERY MANAGEABLE 1973 IRRIGATION SEASON WATER SUPPLY.

Mountain snowpack in the Sierras increased markedly during the past month. The snowpack on the east slope of the Sierra Nevada now ranges from 112 percent of normal on the Walker River drainage to near 150 percent on the Carson Watershed. The Lake Tahoe-Truckee River Watershed snowpack increased from near 80 percent last month to 126 percent as of this date. The snowpack in these three watersheds currently is nearly 90 percent of the April 1 average. The April date is considered to be the date of maximum snowpack in the mountain watersheds.

Reservoir storage increased during the past month and now is 134 percent of average in the Truckee River Watershed, 131 percent in the Carson and 84 percent in the Walker River drainage. The below normal storage in the Walker drainage is only 9,000 acre-feet below average.

Snowpack conditions in northeastern Nevada did not keep pace with the Sierra but still managed to increase during the month. Current snowpacks range from 115 percent on the Upper Humboldt drainage to 138 percent on the Santa Rosa Range north of Winnemucca. The Upper Snake River and Owyhee River have a 132 and 126 percent snow cover, respectively. Reservoir storage remains excellent throughout this area also. Rye Patch Reservoir on the Lower Humboldt contains 146,000 acre-feet of storage. This represents 217 percent of the average amount for this date. Excellent water

supplies are virtually assured for users under this system this summer. Wild Horse Reservoir on the Upper Owyhee contains 57,000 acre-feet, which is similar to last year at this time, and nearly 80 percent of capacity.

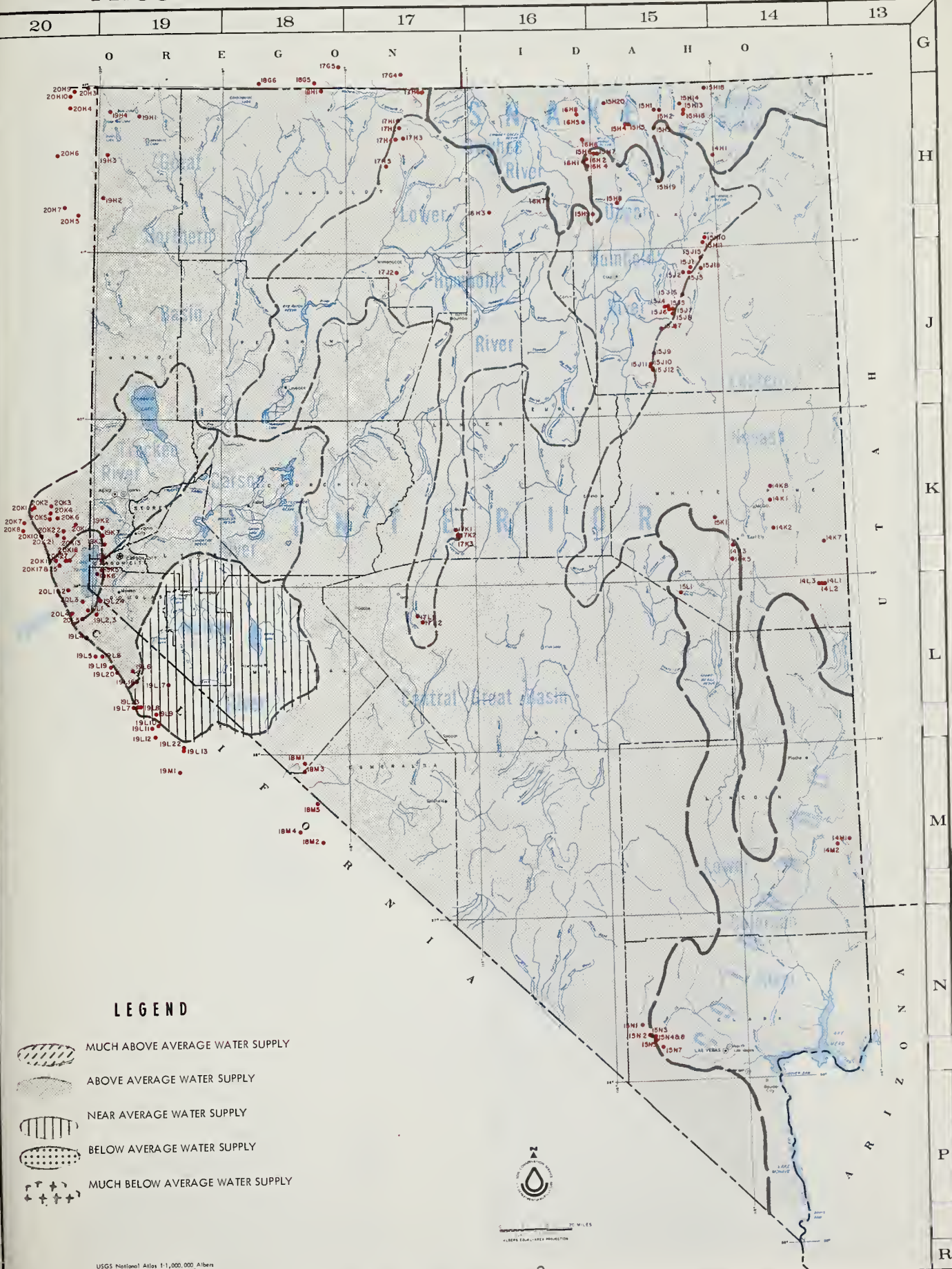
The Warner Mountains and area surrounding Surprise Valley in northwestern Nevada and northeastern California have a 122 percent of average snowpack for this date.

Snow surveys are taken only at selected key stations in eastern and southeastern Nevada on this date. Snow data in these areas indicate the watersheds in the Ely area are near 125 percent of average. The high watershed area of the Meadow Valley Wash has a current snowpack of 189 percent of the yearly maximum. The only area in the state with below normal snow conditions is the White Mountain area above Fish Lake Valley. This area typically has a very shallow snowpack, and a small snowfall of 6 to 10 inches can bring it up to average.

If the next two months produce near average snowfall amounts, streamflow will reflect the excellent watershed conditions and generally produce summer flows in excess of average. This expected flow, coupled with the excellent reservoir storage, will produce a good water season for irrigation interests in western and northern Nevada.



PROSPECTIVE WATER SUPPLY FOR NEVADA



INDEX TO NEVADA SNOW COURSES (By Basins)

Refer to the map on the preceeding page for Snow Course locations.

NUMBER NAME SEC. TWP. RGE. ELEV.

SNAKE RIVER BASIN

SNAKE RIVER

15H1MA	Bear Creek	31	46N	58E	7800
15H2	Fox Creek	33	46N	58E	6800
15H13A	Goat Creek	31	46N	60E	8800
15H15A	Hummingbird Springs	6	45N	60E	8945
14H1	Jakes Creek	6	42N	62E	7000
15H20a	Merritt Mountain	10	46N	54E	7000
15H14A	Pole Creek Ranger Station	13	46N	59E	8330
15H18a	Red Point	15	47N	61E	7940
15H3A	76 Creek	6	44N	58E	7100
15H19a	Stag Mountain	29	41N	58E	7800

OWYHEE RIVER

15H4MP	Big Bend	30	45N	56E	6700
16H6a	Columbia Basin	31	44N	53E	6650
16H8a	Fawn Creek	2	45N	52E	7000
15H5	Gold Creek	32	45N	56E	6600
16H1M	Jack Creek, Lower	18	42N	53E	6800
16H2A	Jack Creek, Upper	9	42N	53E	7250
16H4	Jacks Peak	28	42N	53E	8420
16H5	Laurel Draw	20	45N	53E	6700
17G4a	Louse Canyon (Oreg.)	27	40S	44E	6440
15H9MP	Taylor Canyon	35	39N	53E	6200

INTERIOR

UPPER HUMBOLDT RIVER

15J17a	American Beauty	32	31N	58E	7800
15J12A	Corral Canyon	27	28N	57E	8500
15J1MP	Dorsey Basin	28	35N	60E	8100
15J3	Dry Creek	5	34N	60E	6500
15H7	Fry Canyon	31	43N	54E	6700
15J9MP	Green Mountain	23	29N	57E	8000
15J10	Harrison Pass #1	9	28N	57E	6600
15J11	Harrison Pass #2	16	28N	57E	7400
15J4	Lamoille #1	15	32N	58E	7100
15J5	Lamoille #2	14	32N	58E	7200
15J6M	Lamoille #3	24	32N	58E	7700
15J7	Lamoille #4	19	32N	59E	8000
15J8P	Lamoille #5	31	32N	59E	8700
15J18a	Pole Canyon	31	35N	61E	9140
15J16a	Robinson Lake	23	33N	59E	9200
15H6MP	Roded Flat	36	43N	53E	6800
15J2	Ryan Ranch	1	34N	59E	5800
15H8	Tremewan Ranch	9	39N	55E	5700
15H10P	Trout Creek, Lower	28	37N	61E	6900
15H11A	Trout Creek, Upper	4	36N	61E	8500

LOWER HUMBOLDT RIVER

17K1	Big Creek Camp Ground	10	17N	43E	6600
17K2	Big Creek Mine	23	17N	43E	7600
17K3	Big Creek, Upper	26	17N	43E	7800
17H2	Buckskin, Lower	25	45N	39E	6700
17H1	Buckskin, Upper	11	45N	39E	8200
17L1	Corral, Lower	12	11N	40E	7500
17L2	Corral, Upper	20	11N	41E	8000
17J2	Golconda #2	22	35N	39E	6000
17H4	Granite Peak	22	44N	39E	7800
17H5	Lamance Creek	13	42N	38E	6000
17H3	Martin Creek	18	44N	40E	6700
16H3AP	Midas	18	39N	46E	7200
16H7	Toe Jam a	29	40N	50E	7700

EASTERN NEVADA

14L1	Baker #1	29	13N	69E	7950
14L2	Baker #2	30	13N	69E	8950
14L3	Baker #3	25	13N	68E	9250
14K2	Berry Creek	26	17N	65E	9100
14K1	Bird Creek	34	19N	65E	7500
15J15	Hole-In-Mountain	6	35N	61E	7900
14K8	Kalamazoo Creek	34	20N	65E	7400
14K3	Murray Summit	25	16N	62E	7250
15K1	Robinson Summit	34	18N	61E	7600
14K7	Silver Creek #2	30	16N	69E	8000
14K5	Ward Mountain #2	25	15N	62E	8900

CENTRAL GREAT BASIN

18M2	Campito Mountain (Cal.)	19	5S	35E	10200
18M5a	Chiatovich Flat	32	2S	34E	10500
15N2	Clark Canyon	8	19S	56E	9000
18M1	Montgomery Pass	4	1N	33E	7100
18M3a	Pinchot Creek	28	1N	33E	9300
18M4a	Piute Pass (Cal.)	33	4S	33E	11700
15N1	Trough Springs	23	18S	55E	8500

NORTHERN GREAT BASIN

19H1	Bald Mountain	17	45N	21E	6720
20H5	Barber Creek (Cal.)	23	39N	16E	6500
20H6	Cedar Pass (Cal.)	12	43N	14E	7100
18G6a	Oenio Creek (Oreg.)	14	41S	34E	6000
19H1	Osaster Peak	6	47N	34E	6500
20H3a	Oismal Swamp (Cal.)	31	48N	17E	7000
20H7	Eagle Peak (Cal.)	35	40N	15E	7200
19H3	49-Mountain	7	42N	19E	6000
19H2	Hays Canyon	1	39N	18E	6400
19H4a	Little Bally Mountain	8	45N	19E	6000
20H9	Mt. Bidwell	6	47N	16E	7200
20H10	North Star	13	47N	15E	6200
17G5a	Oregon Canyon (Oreg.)	9	40S	40E	7240
17H6a	Quinn Ridge	9	47N	41E	6300
20H4	Reservation Creek (Cal.)	12	46N	15E	5900
18G5a	Trout Creek (Oreg.)	10	41S	38E	7800

NUMBER NAME SEC. TWP. RGE. ELEV.

LAKE TAHOE

20L5	Echo Summit (Cal.)	6	11N	18E	7450
19L2	Free! Bench (Cal.)	36	12N	18E	7300
19K6	Glenbrook #2	13	14N	18E	6900
19L3MSZ	Hagans Meadow (Cal.)	36	12N	18E	8000
20L4	Lake Lucille (Cal.)	28	12N	17E	8200
19K4MSTZ	Marlette Lake	18	15N	19E	8000
20L3	Richardsons #2 (Cal.)	6	12N	18E	6500
20L1	Rubicon #1 (Cal.)	6	13N	17E	8100
20L2	Rubicon #2 (Cal.)	6	13N	17E	7500
20K16	Tahoe City (Cal.)	6	15N	17E	6250
19L1	Upper Truckee (Cal.)	21	12N	18E	6400
20K17M	Ward Creek (Cal.)	21	15N	16E	7000
20K25STZ	Ward Creek #2 (Cal.)	21	15N	16E	6750
20K27	Tahoe City Cross (Cal.)	1	15N	16E	6750

TRUCKEE RIVER

20K14	Boca #2 (Cal.)	28	18N	17E	5900
20K22	Brockway Summit (Cal.)	3	17N	16E	7100
20K21	Oonner Park #2 (Cal.)	18	17N	16E	6000
20K10	Oonner Summit (Cal.)	25	17N	14E	6900
20K7*	Fordyce Lake (Cal.)	34	18N	13E	6500
20K8*	Furnace Flat (Cal.)	10	17N	13E	6700
19L24S	Heavenly Valley (Cal.)	1	12N	18E	8850
20K4MSTPZ	Independence Camp (Cal.)	34	19N	15E	7000
20K3	Independence Creek (Cal.)	14	19N	15E	6500
20K5	Independence Lake (Cal.)	9	18N	15E	8450
19K3	Little Valley	17	16N	19E	6300
19K2	Mt. Rose	7	17N	19E	9000
19K7	Mt. Rose Ski Area	30	17N	19E	9000
20K6	Sage Hen Creek (Cal.)	7	18N	16E	6500
20K19	Squaw Valley #2 (Cal.)	6	15N	16E	7500
20K13M	Truckee #2 (Cal.)	22	17N	16E	6400
20K2*	Webber Lake (Cal.)	29	19N	14E	7000
20K1*	Webber Peak (Cal.)	30	19N	14E	8000

CARSON RIVER

19L5	Blue Lakes (Cal.)	30	9N	19E	8000
19L4	Carson Pass, Upper (Cal.)	22	10N	18E	8600
19K5	Clear Creek	6	14N	19E	7300
19L19a	Ebbetts Pass (Cal.)	17	8N	20E	8700
19L16a	Fish Valley, Upper (Cal.)	1	7N	22E	8050
19L06a	Poison Flat (Cal.)	25	8N	21E	7900
19L18AS	Wet Meadows Lake (Cal.)	26	9N	19E	8100
19L20a	Wolf Creek (Cal.)	35	8N	20E	8000

WALKER RIVER

19L11	Buckeye Forks (Cal.)	20	4N	23E	8500
19L10	Buckeye Roughs (Cal.)	15	4N	23E	7900
19L12A	Center Mountain (Cal.)	4	3N	23E	9400
19L8	Leavitt Meadows (Cal.)	4	5N	22E	7200
19L17a	Lodell Lake (Cal.)	20	7N	24E	9200
19L7M	Sonora Pass (Cal.)	1	5N	21E	8800
19L23STPZ	Sonora Pass Bridge	6	5N	22E	8800
19M1*	Tioga Pass (Cal.)	30	1N	25E	9900
19L13	Virginia Lakes (Cal.)	5	2N	25E	9500
19L22MSZ	Virginia Lakes Ridge	32	3N	25E	9200
19L9	Willow Flat (Cal.)	21	5N	23E	8250

COLORADO

LOWER COLORADO RIVER

15N5	Kyle Canyon	27	19S	56E	8200
15N4	Lee Canyon #1	10	19S	55E	8400
15N3	Lee Canyon #2	9	19S	56E	9200
15N8	Lee Canyon #3	10	19S	56E	8500
14M1	Mathew Canyon	10	6S	70E	6000
14M2	Pine Canyon	23	6S	69E	6200
15N7	Rainbow Canyon #2	6	20S	57E	8100
15L1	White River #1	31	13N	59E	7400

LEGEND

NUMBERING SYSTEM (EXAMPLE)

19K4	Snow Course Only
19K45	Snow Course and Snow Pillow
19K4M	Snow Course and Soil Moisture
19K4A	Snow Course and Aerial Marker
19K4P	Snow Course and Storage Precipitation Gage
19K4MA	Snow Course, Soil Moisture and Aerial Marker
19K4MP	Snow Course, Soil Moisture and Precipitation Gage
19K4STZ	Snow Course, Snow Pillow and Temperature Radio Telemetered.

Lower case letters m, a, p, s, t, z, indicate no snow course, only a Soil Moisture Station, Aerial Marker, Storage Precipitation Gage, Snow Pillow, Temperature, or Radio Telemetered.

*Located on adjacent watershed

STREAMFLOW FORECASTS (Thousand Acre Feet) as of: February 1, 1973

Forecasts are based on snow-water presently stored in the mountain watersheds and the assumption that precipitation will be near average throughout the forecast period. Peak flow forecasts indicate the most probable range for the maximum average 24-hour flow. All averages are for 1953-67 period.

FORECAST POINT	Forecast Period	Forecast This Year	This Year as Percent of Average	Average †
Owyhee River near Gold Creek, NV <u>1/</u>	April-July	22	137	16
Owyhee River near Owyhee, NV <u>1/</u>	April-July	80	133	60
Humboldt River at Palisade, NV	April-July	210	136	154
West Walker below Little Walker River near Coleville, CA	April-July	148	104	143
Virgin River at Virgin, UT	April-June	65	171	38
<div> <div><u>1/</u> Corrected for storage</div> </div>				

† 1953-1967 period.

PEAK FLOWS (MAXIMUM MEAN DAILY) (Av. flow for 24 hrs. on day of greatest flow)

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Peak flow forecasts not issued until March 1, 1973		

FORECAST DATE of LOW FLOW VALUES

FORECAST POINT	Low Flow Value Second/Ft.	Forecast Date Stream Will Recede to Low Flow Value	Average Date of Low Flow Value
Low flow forecast not issued until March 1, 1973			

SOIL MOISTURE MEASUREMENTS

STATION	Profile (Inches)		Soil Moisture (Inches)		
	Depth	Capacity	Date	This Year	Average †
<u>OWYHEE-HUMBOLDT BASIN</u>					
Big Bend	48	16.7	1/29	12.5	15.6*
Rodeo Flat	42	11.0	1/29	7.0	10.7*
Taylor Canyon	48	15.1	1/29	10.9	13.4*
<u>TAHOE-TRUCKEE BASIN</u>					
Hagans Meadow	36	3.7	1/31	2.7	-
Independence Camp	34	6.1	1/26	1.2	5.4*
Marlette Lake	50	3.7	2/1	1.3	3.4*
Ward Creek	49	5.8	1/29	3.7	5.7*
<u>WALKER BASIN</u>					
Sonora Pass	48	8.3	1/30	5.9	8.2*
Virginia Lakes Ridge	40	5.0	1/29	2.0	-
* Adjusted average					

† 1953-1967 period.

RESERVOIR STORAGE (Thousand Acre Feet) as of February 1, 1973

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average†
Owyhee	Wild Horse	72	57	59	13
Lower Humboldt	Rye Patch	179	146	173	67
Colorado	Mohave	1,810	1,607	1,633	1,675
Colorado	Mead	27,217	19,200	17,901	16,600
Tahoe	Tahoe	732	516	522	397
Truckee	Boca	41	30	31	7
Truckee	Stampede	220	126	122	**
Truckee	Prosser ***	30	9	8	8 *
Carson	Lahontan	314	227	254	173
West Walker	Topaz	59	27	37	32
East Walker	Bridgeport	42	22	35	26

* Adjusted average

** Storage began August 1, 1969

*** Flood control use allocation of 20,000 acre feet between November 1 and April 10

TOTAL RESERVOIR STORAGE (Thousand Acre Feet)

MONTH	This Year	Last Year	Average †
October 1	867	1,038	656
January 1	917	1,100	660
February 1	1,025	1,111	715
March 1		1,140	768
April 1		1,227	839
May 1		1,232	890

The above data developed from Wild Horse, Rye Patch, Tahoe, Boca, Lahontan, Topaz, and Bridgeport Reservoirs in 1,000 Acre-Feet.

TOTAL USABLE CAPACITY 1439

† 1953-1967 period.

SNOW COURSE MEASUREMENTS

SNOW COURSE MEASUREMENTS		THIS YEAR		PAST RECORD		
DRAINAGE BASIN and/or SNOW COURSE		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
NAME					Last Year	Average †
SNAKE RIVER						
Bear Creek	1/27	48	15.2a	20.4a	11.3*	
Goat Creek	1/29	45	13.8a	16.4a	10.3*	
Hummingbird Springs	1/27	52	16.1a	32.2a	11.1*	
Merritt Mountain	2/1	18	4.5a	11.7a	-	
Pole Creek Ranger Station	1/29	47	14.4	20.4	10.8*	
Red Point	2/1	18	4.5a	8.6a	6.2*	
76 Creek	1/27	36	10.1a	17.7a	6.1*	
Stag Mountain	2/1	24	6.2a	6.3a	-	
OWYHEE RIVER						
Big Bend	1/29	25	6.6	12.7	5.3	
Columbia Basin	2/1	38	10.3a	11.8a	-	
Fawn Creek	2/1	28	7.3a	7.2a	-	
Gold Creek	1/29	14	3.8	8.3	-	
Jack Creek, Upper	2/1	24	6.2a	8.4a	5.1*	
Laurel Draw	1/25	24	6.1	12.7	4.8*	
Taylor Canyon	1/31	21	5.5	5.4	3.6*	
UPPER HUMBOLDT RIVER						
American Beauty	2/1	42	11.8a	-	-	
Corral Canyon	2/1	42	11.0a	10.2a	-	
Fry Canyon	1/29	23	5.8	9.8	4.7	
Lamoille #1	1/30	30	7.4	8.7	6.2	
Lamoille #2	1/30	31	7.4	6.6	5.7	
Lamoille #3	1/30	35	8.8	10.8	7.5	
Lamoille #4	1/30	47	12.9	17.0	11.1*	
Lamoille #5	1/30	57	17.1	23.4	16.4*	
Pole Canyon	2/1	36	9.3a	11.6a	-	
Robinson Lake	2/1	96	28.8a	28.4a	-	
Rodeo Flat	1/29	19	4.9	8.8	4.2	
Tremewan Ranch	1/31	7	1.4	1.1	1.2*	
Trout Creek, Upper	2/1	96	28.8a	11.6a	-	
Tent Mountain, Upper	2/1	60	16.8a	-	-	
LOWER HUMBOLDT RIVER						
Granite Peak	1/29	41	12.1	11.6	8.3*	
Martin Creek	1/29	29	7.3	9.0	5.7*	
Midas	2/1	9	1.9a	7.0	-	
Toe Jam	2/1	33	8.9a	8.1a	-	
EASTERN NEVADA						
Baker #3	1/29	57	16.0a	9.6a	-	
Mt. Defiance	1/29	48	13.4a	17.7a	-	
Silver Creek #2	1/29	39	10.1a	7.4a	-	
Ward Mountain	1/29	24	6.2a	7.0a	-	

+ 1953-1967 period.

SNOW COURSE MEASUREMENTS

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average ⁺
<u>LAKE TAHOE-TRUCKEE RIVER</u>					
Boca #2	1/31	21	5.6	6.7	5.2
Brockway Summit	1/27	54	16.2	12.7	10.0
Castle Creek	1/31	120	38.4	35.1	-
Donner Park #2	1/31	52	13.7	15.2	10.8*
Donner Summit	1/27	87	28.6	26.0	23.6
Echo Summit	2/1	80	25.6	29.0	22.7
Fordyce Lake	1/26	84	31.0	29.6	22.5*
Freel Bench	1/31	31	9.5	11.1	7.8*
Furnace Flat	1/26	99	34.6	31.9	27.4*
Glenbrook #2	1/28	32	7.9	9.3	6.8*
Hagans Meadow	1/31	50	15.3	15.7	12.6*
Heavenly Valley	1/31	66	21.6	20.6	-
Independence Camp	Est.	61	20.0	16.1	-
Independence Creek	2/1	49	12.8	10.7	-
Marlette Lake	2/1	55	17.7	15.0	12.5*
Mt. Rose Ski Area	1/29	99	30.7	25.0	-
Richardsons #2	1/28	42	13.0	13.8	10.9
Sage Hen Creek	1/30	58	15.2	14.0	11.8
Squaw Valley	1/30	126	41.0	35.7	27.6*
Tahoe City	1/31	39	10.6	-	7.7
Tahoe City Alternate	1/31	41	10.8	13.4	-
Tahoe City Cross	1/31	57	15.4	16.1	-
Truckee #2	1/27	39	11.4	12.5	10.4*
Truckee, Upper	1/31	28	7.1	10.0	7.2*
Ward Creek #2	1/29	90	27.4	35.5	25.3*
Ward Creek #3	1/29	80	24.1	28.4s	-
<u>CARSON RIVER</u>					
Carson Pass, Upper	1/25	76	25.4	27.3	20.3
Ebbetts Pass	1/28	84	27.7a	27.0a	-
Fish Lake Valley, Upper	1/28	60	18.6a	13.3a	10.6*
Poison Flat	1/28	60	19.2a	13.3a	11.0*
Wet Meadows Lake	1/28	67	21.4a	18.8a	-
Wolf Creek	1/28	62	19.8a	23.0a	-
<u>WALKER RIVER</u>					
Center Mountain	1/28	97	32.0a	24.4a	-
Lobdell Lake	1/28	64	20.5a	10.9a	-
Sonora Pass	1/30	61	19.1	20.5	14.2*
Tioga Pass	1/30	49	15.0	19.7	17.0*
Virginia Lakes	1/29	40	12.4	14.7	10.3*
Virginia Lakes Ridge	1/29	42	12.3	12.2	-
Willow Flat	1/29	33	9.7	-	-

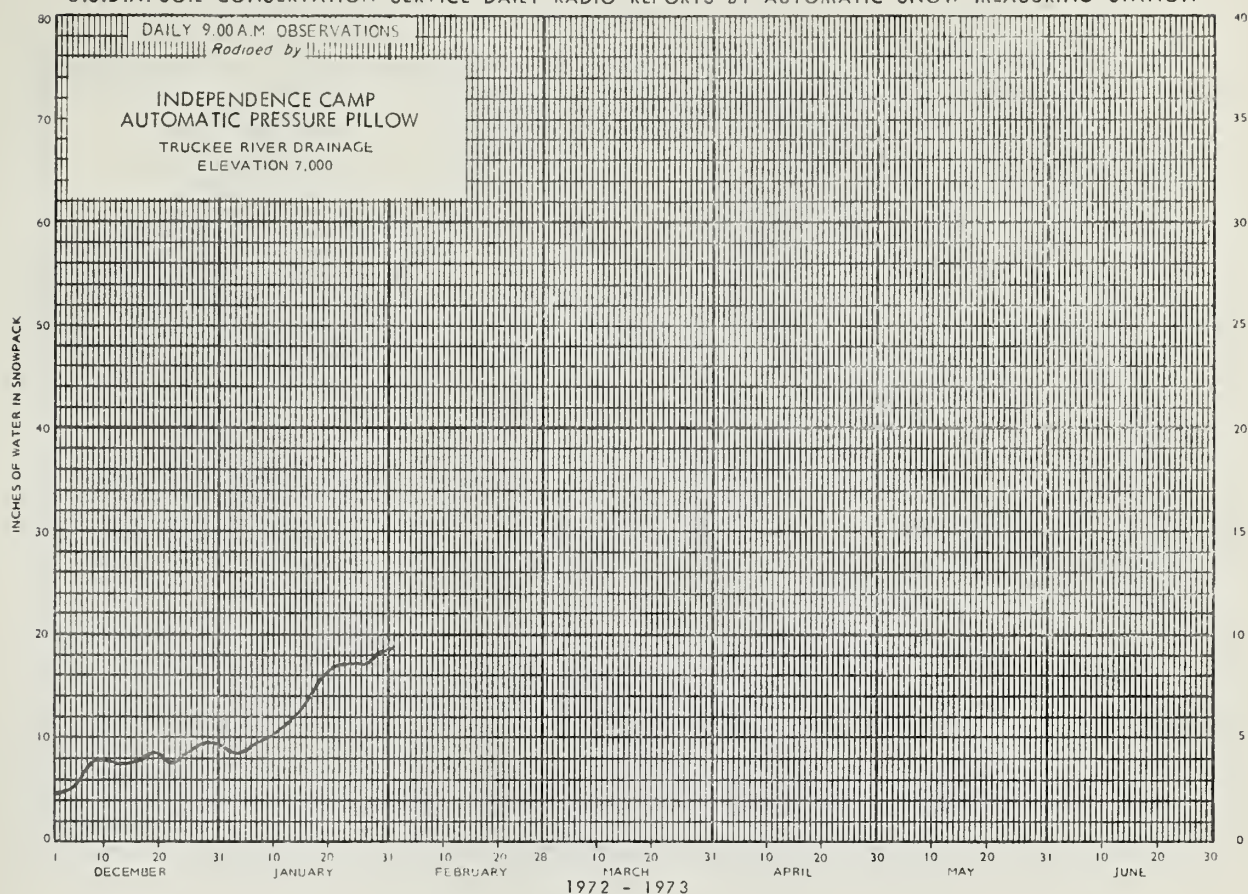
+ 1953-1967 period.

SNOW COURSE MEASUREMENTS

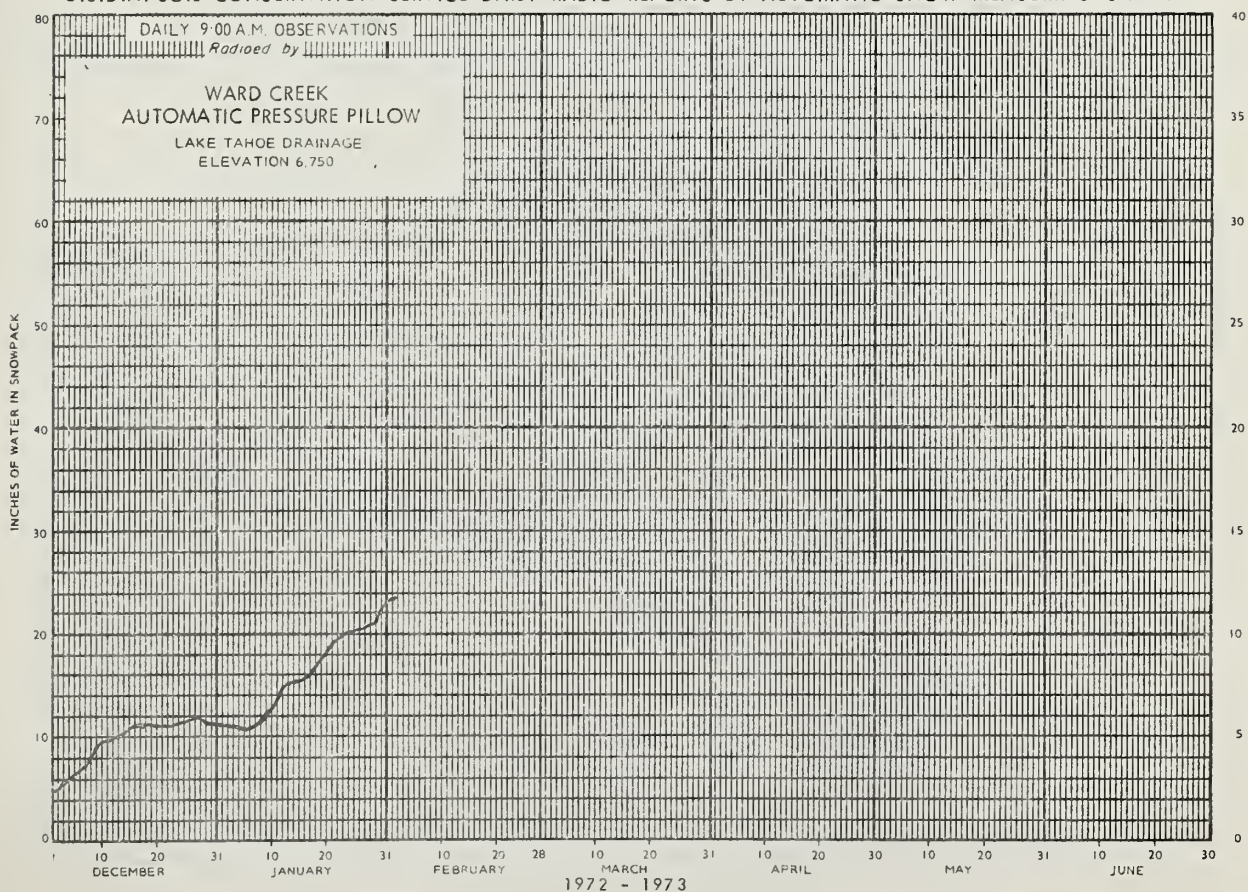
SNOW COURSE MEASUREMENTS		THIS YEAR		PAST RECORD		
DRAINAGE BASIN and/or SNOW COURSE		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME					Last Year	Average †
CENTRAL GREAT BASIN						
Campito Mountain	No Survey			2.8	3.5*	
Chiatovich Flat	1/28	12	1.8a	2.7a	-	
Montgomery Pass	1/31	10	0.7	1.8	1.4*	
Pinchot Creek	1/28	6	1.0a	0.0a	1.2*	
Piute Pass	1/28	12	2.2a	3.6a	3.1*	
NORTHERN GREAT BASIN						
Barber Creek	2/1	33	9.4	13.7	6.9*	
Cedar Pass	1/31	40	9.8	18.4	9.1	
Denio Creek	1/27	3	0.6a	0.6a	0.6*	
Dismal Swamp	1/26	45	12.6a	15.8	9.1*	
49 Mountain	1/29	10	2.1	4.0	3.2*	
Hays Canyon	1/29	10	2.2	3.9	2.7*	
Little Bally Mountain	1/26	12	3.1a	3.1a	1.9*	
Louse Canyon	No Survey			2.4a	2.0*	
Oregon Canyon	1/27	27	7.0a	5.9a	3.2*	
Quinn Ridge	1/27	12	2.7a	2.0a	1.6*	
Reservation Creek	1/29	26	6.5	14.9	7.3*	
Trout Creek	1/27	27	7.0a	4.8a	3.7*	
LOWER COLORADO RIVER						
Mathew Canyon	1/30	17	4.4	0.5	2.3*	
Pine Canyon	1/30	20	4.9	0.4	2.6*	
s Snow sensor measurement						
NOTE: All averages based on 1953-67, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1953-67 adjusted average.						

† 1953-1967 period.

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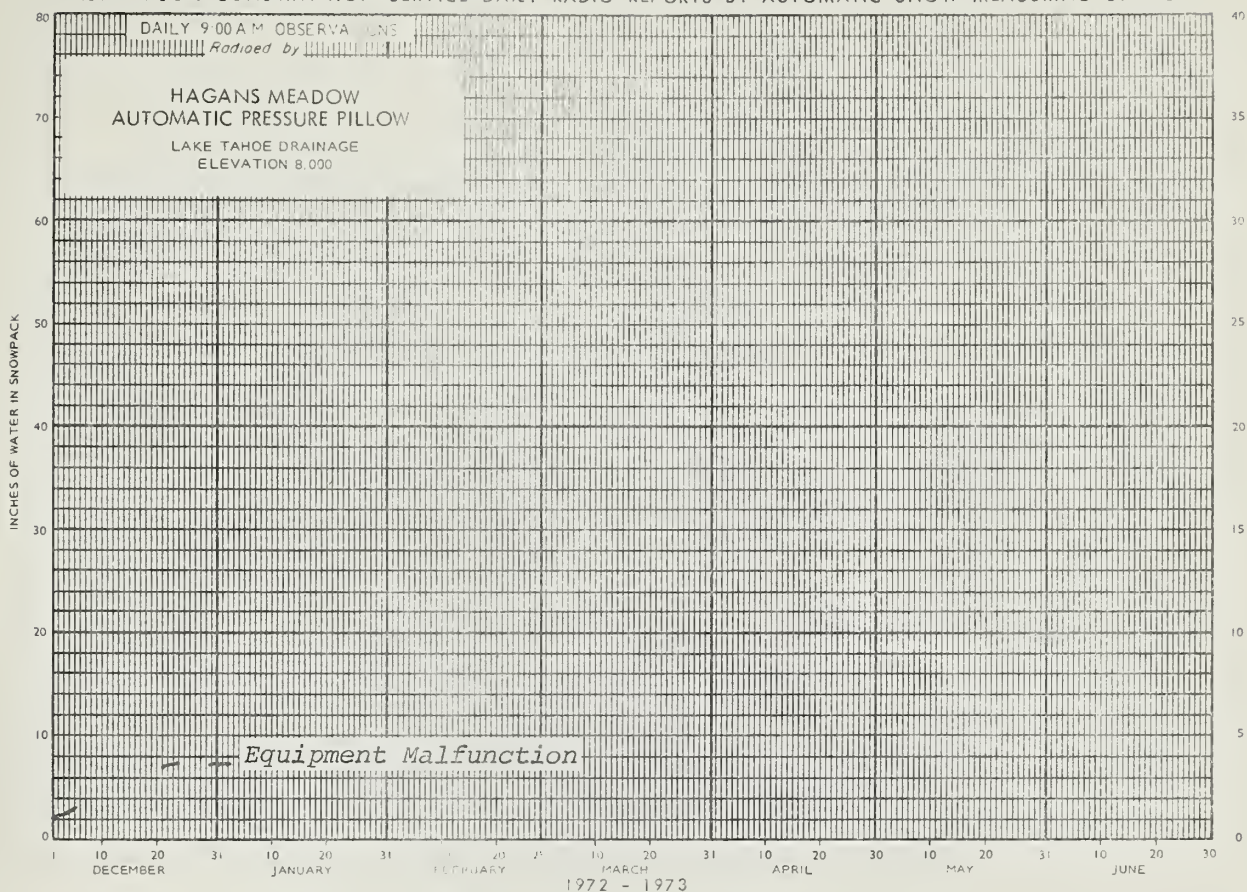


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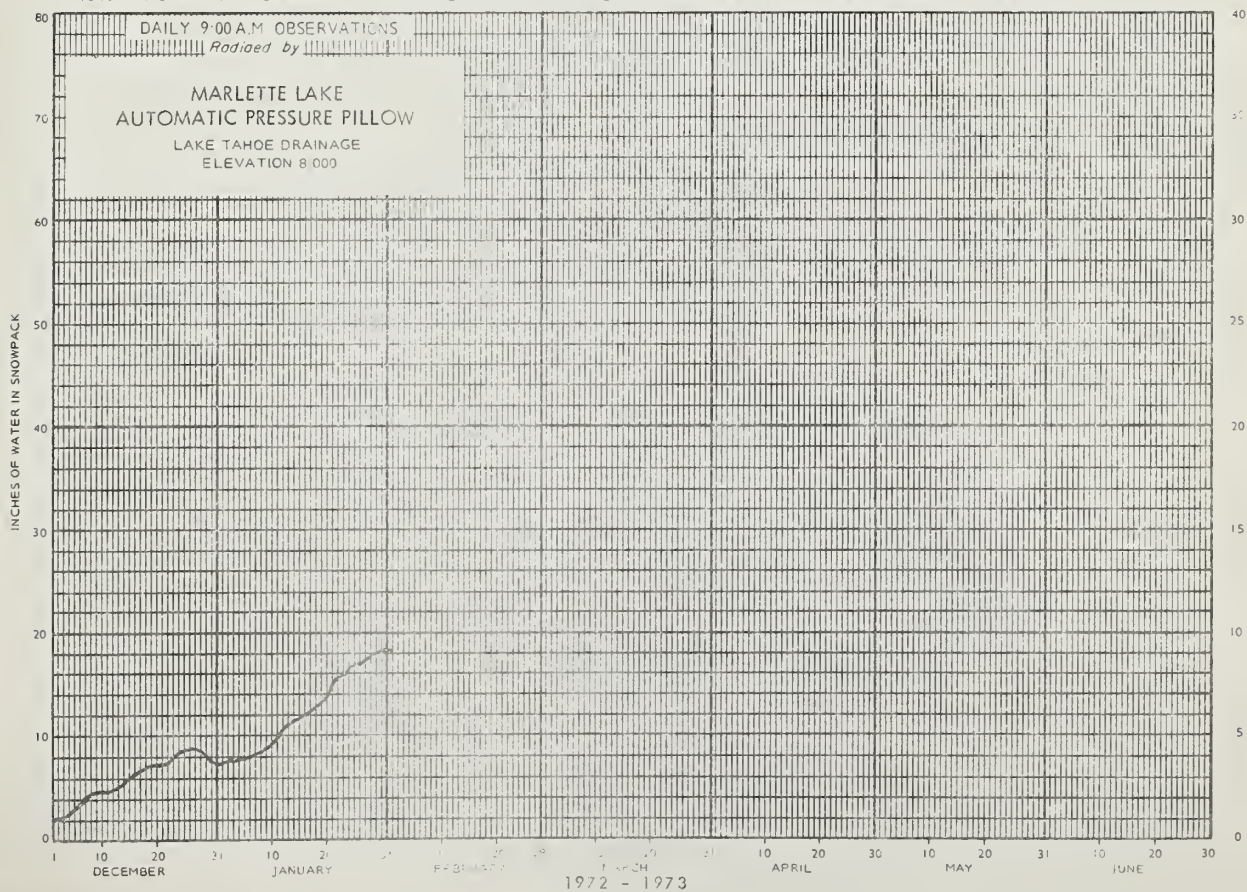




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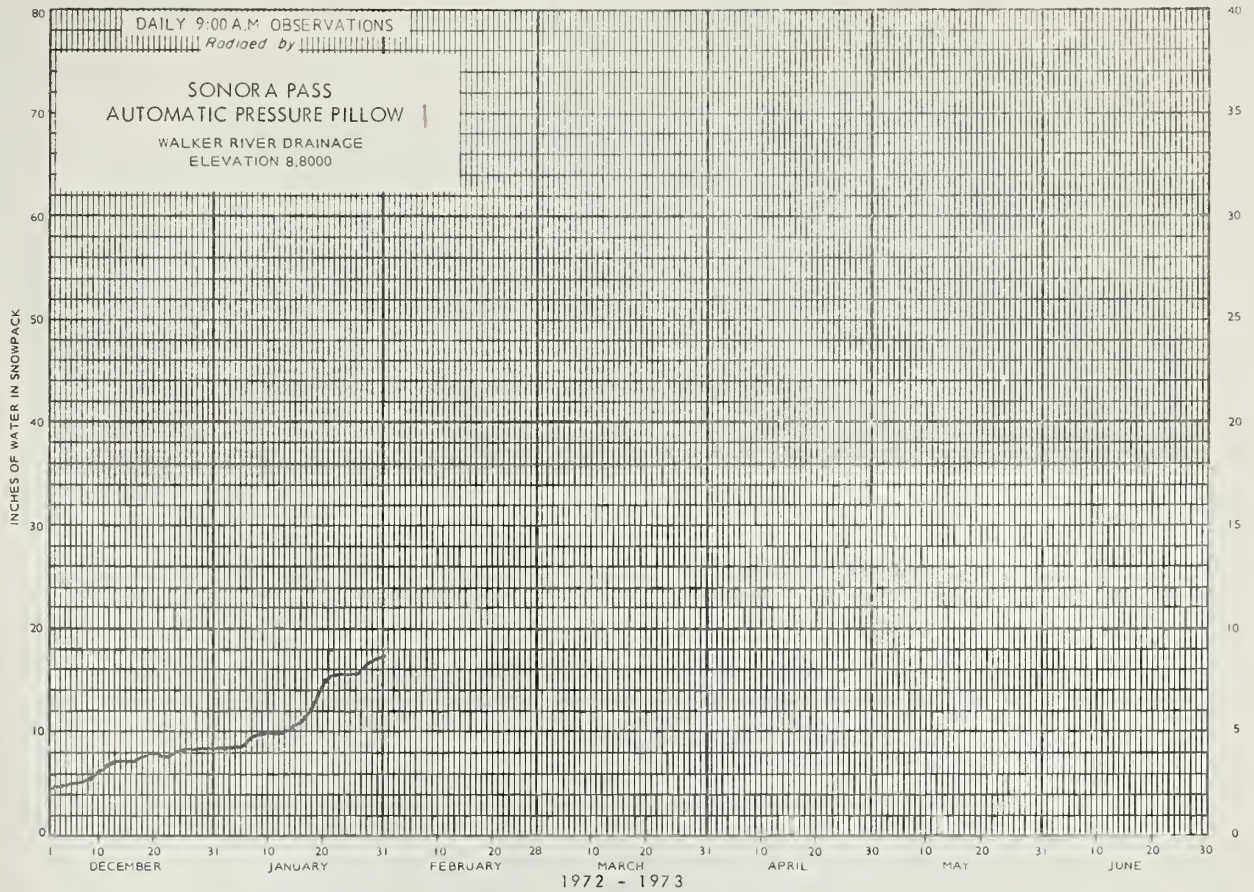


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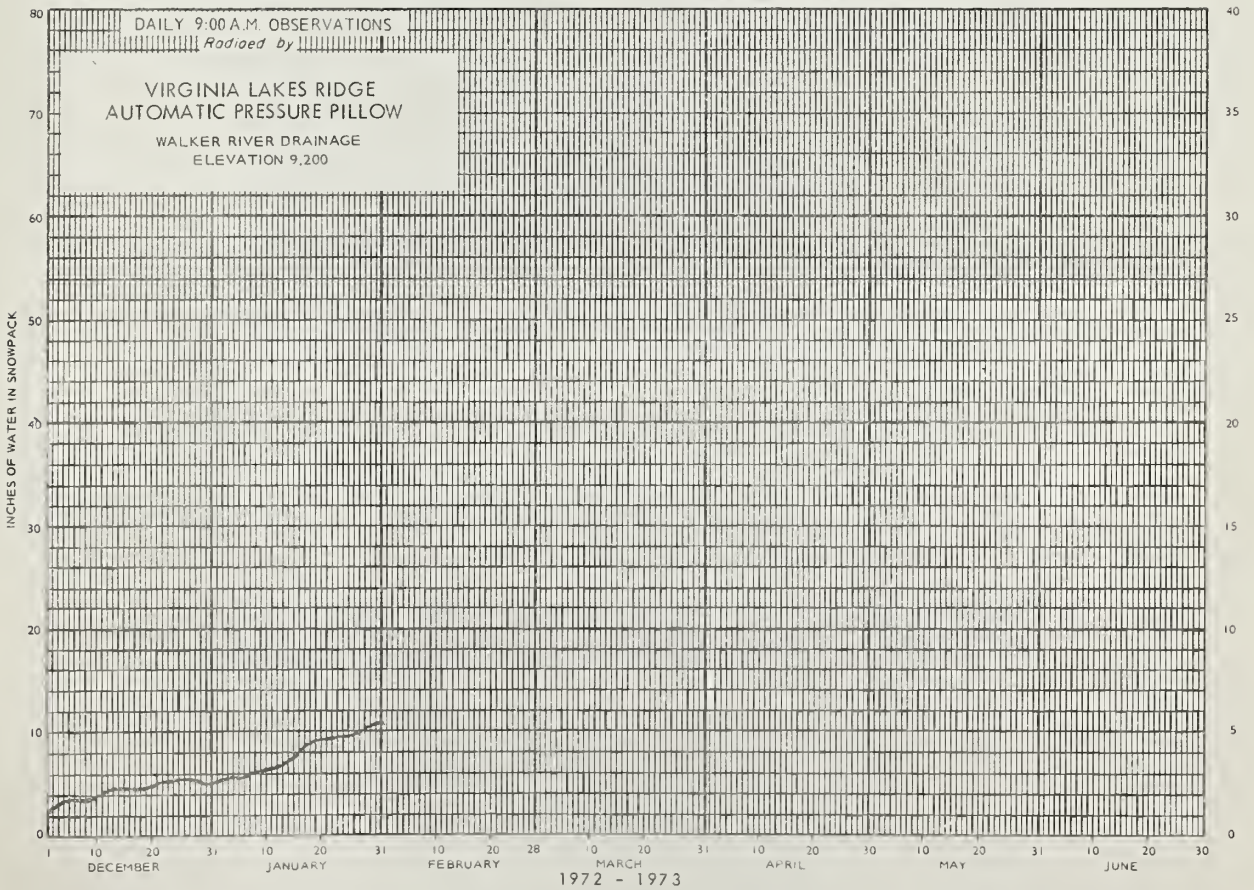


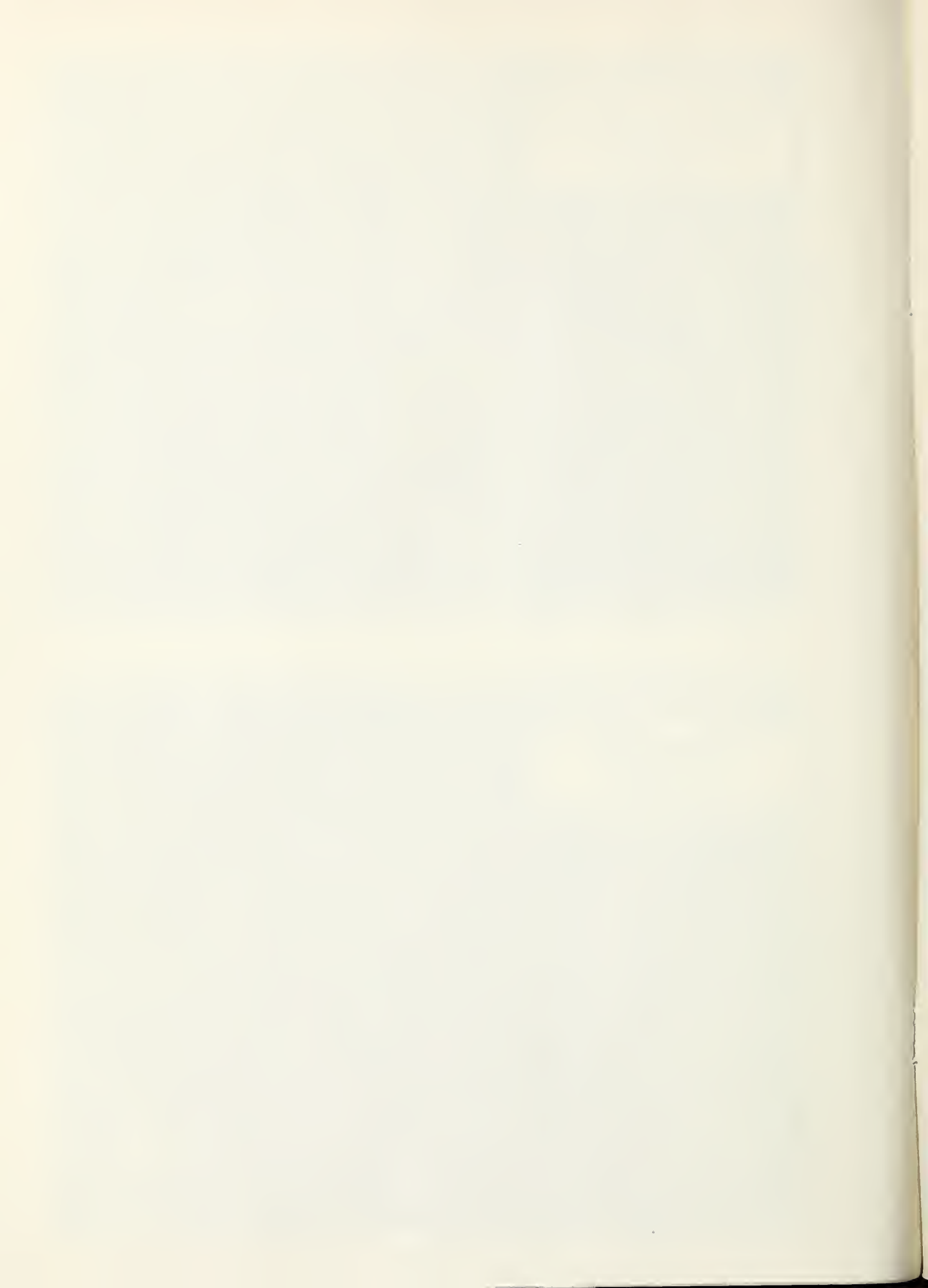


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Agencies Cooperating in Collecting Data Contained in this Bulletin

FEDERAL

- Agricultural Research Service
- Bureau of Reclamation
- Fish and Wildlife Service
- Forest Service
- Geological Survey
- Navy
- Soil Conservation Service
- U. S. District Court - Federal Water Master
- NOAA, National Weather Service

STATE

- California Cooperative Snow Surveys
- California Department of Parks and Recreation
- California Department of Water Resources
- Colorado River Commission of Nevada
- Idaho Cooperative Snow Surveys
- Nevada Association of Conservation Districts
- Nevada Department of Conservation & Natural Resources
 - Division of Water Resources
- Nevada State Forester
- Oregon Cooperative Snow Surveys
- Utah Cooperative Snow Surveys
- White Mountain Research Station, Univ. of California

PRIVATE

- Amalgamated Sugar Company
- Kennecott Copper Corporation
- Nevada Irrigation District
- Owyhee Project North Board of Control
- Owyhee Project South Board of Control
- Pacific Gas and Electric Company
- Pershing County Water Conservation District
- Sierra Pacific Power Company
- Truckee-Carsan Irrigation District
- Walker River Irrigation District
- Washoe County Water Conservancy District

Other organizations and individuals furnish valuable information for the snow survey reports. Their Cooperation is gratefully acknowledged.

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with the Snow Survey"*

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